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UNITED STATES DEPARTMENT OF AGRICULTURE,
FOREST SERVICE.

HENRY S. GRAVES, Forester.

July Field Program, 1912.

This program of field work and assignments in the Forest Service is issued quarterly on the 15th day of July, October, January, and April, and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

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Design of laboratory equipment.—ROLF THELEN.

Review of results.—WM. H. KEMPFER, H. S. BETTS.

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James R. Weir, consulting pathologist, Missoula, Mont.

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Michigan. } —W. B. PIPER, acting forest supervisor, East Tawas (WU-Am).

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- Sioux.**—See South Dakota.

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DISTRICT 3.

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Tonto.—R. G. WILLSON, forest supervisor, Roosevelt (WU-WF).

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Chiricahua.—See Arizona.

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Zuni.—HUGH G. CALKINS, forest supervisor, Albuquerque (WU, P-WF).

OKLAHOMA.

Wichita.—FRANK RUSH, game warden, in charge, Cache (WU-WF).

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OPERATION.—A. C. MCCAIN, assistant district forester.

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LANDS.—T. C. HOYT, assistant district forester; R. E. GERY, assistant.

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PROPERTY AUDIT.—J. G. FALCK, property auditor.

EXPERIMENT STATION.

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NATIONAL FORESTS.

ARIZONA.

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IDAHO.

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Ruby.—JAMES M. RYAN, forest supervisor, Lamoille (WU-WF).

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Toiyabe.—THOMAS J. COLLINS, forest supervisor, Austin (WU, P-WF).

UTAH.

Ashley.—W. M. ANDERSON, forest supervisor, Vernal (WU-WF); Lester E. Hitchcock, forest assistant.

Cache.—CLINTON G. SMITH, forest supervisor, Logan (WU-Am); J. W. Humphrey, deputy forest supervisor; E. C. Shepard, forest assistant.

- Dixie.**—JOHN RAPHAEL, forest supervisor, St. George (WU-WF).
Fillmore.—WM. HURST, forest supervisor, Beaver (WU-WF).
Fishlake.—CARL B. ARENTSON, forest supervisor, Salina (WU-WF).
La Sal.—HENRY A. BERGH, forest supervisor, Moab (WU-WF).
Manti.—A. W. JENSEN, forest supervisor, Ephraim (WU-WF); Ernest Winkler, deputy forest supervisor; F. T. McLean, deputy forest supervisor.
Minidoka.—See Idaho.
Nebo.—DAN S. PACK, forest supervisor, Nephi (WU-WF).
Pocatello.—See Idaho.
Powell.—GEO. H. BARNEY, forest supervisor, Escalante (WU-WF).
Sevier.—O. C. SNOW, forest supervisor, Panguitch (WU-WF).
Uinta.—W. I. PACK, forest supervisor, Provo (WU-WF); J. Carl Allred, deputy forest supervisor; Nils B. Eckbo, forest examiner; Uinta Nursery, Asa L. Brower, forest assistant.
Wasatch.—E. H. CLARKE, forest supervisor, Salt Lake City (WU, P-Am, WF); Wasatch Nursery, N. J. Fetherolf, forest planting assistant.

WYOMING.

- Ashley.**—See Utah.
Caribou.—See Idaho.
Palisade.—See Idaho.
Targhee.—See Idaho.
Teton.—R. E. MILLER, forest supervisor, Jackson (WU-Am); H. B. Maris, forest assistant.
Wyoming.—JAMES E. JEWELL, forest supervisor, Afton (WU-Am); John E. Ingram, forest assistant.

DISTRICT 5.

California and Southwestern Nevada. Office, First National Bank Building, San Francisco, Cal.

COERT DUBOIS, district forester; WALTER L. HUBER, district engineer; J. LEROY MATHIAS, assistant to district engineer; CLARENCE WILEY, inspector of records.

LAW.—Office of the Solicitor (Forest Service branch). H. P. DECHANT, assistant to the solicitor, in charge; MAURY CURTIS, assistant to the solicitor.

ACCOUNTS.—F. C. THOMPSON, district fiscal agent.

OPERATION.—ROY HEADLEY, assistant district forester.

MAINTENANCE.—F. H. SMITH.

SILVICULTURE.—T. D. WOODBURY, assistant district forester; SWIFT BERRY, forest assistant.

SILVICS.—J. A. MITCHELL, forest assistant.

E. P. Meinecke, consulting pathologist, San Francisco, Cal.

GRAZING.—JOHN H. HATTON, assistant district forester.

LANDS.—L. A. BARRETT, assistant district forester.

PRODUCTS.—C. STOWELL SMITH, assistant district forester, in charge, C. A. Kupfer, forest assistant; Percy R. Hicks, engineer in wood preservation; Geo. M. Hunt, assistant chemist in forest products, San Francisco, Cal.

EXPERIMENT STATION.

Plumas.—HAROLD H. GREENAMYRE, Quincy, Cal.

NATIONAL FORESTS.

CALIFORNIA.

Angeles.—R. H. CHARLTON, forest supervisor, Los Angeles (WU, P-WF); Jesse W. Hough, forest assistant, San Bernardino; Serope Y. Parney, forest planting assistant, Redlands.

California.—D. P. GODWIN, forest supervisor, Willows (P-WF); A. W. Bartlett, deputy forest supervisor; S. W. Strothman, forest assistant.

Cleveland.—H. N. WHEELER, forest supervisor, San Diego (WU, P-WF).

Eldorado.—EVAN W. KELLEY, forest supervisor, Placerville (WU-WF); George W. Lyons, forest assistant.

Inyo.—A. H. HOGUE, forest supervisor, Bishop (WU-WF).

Kern.—W. J. RUSHING, forest supervisor, Bakersfield (WU-WF); Jas. O. Morrow, deputy forest supervisor; Neal T. Childs, forest assistant.

Klamath.—W. B. RIDER, forest supervisor, Yreka (WU-WF); J. R. Hall, deputy forest supervisor; Shirley W. Allen and Douglas K. Noyes, forest assistants.

Lassen.—L. A. H. KLING, forest supervisor, Red Bluff (P-WF); R. H. Boerker, forest assistant.

Modoc.—C. E. RACHFORD, forest supervisor, Alturas (P-WF); Vernon L. Bonner, deputy forest supervisor; Belknap C. Goldsmith, forest assistant.

Mono.—See Nevada.

Monterey.—N. H. SLOANE, acting forest supervisor, Arbolado (WU, Monterey-WF, Monterey).

Plumas.—D. N. ROGERS, forest supervisor, Quincy (WU, Keddie, Cal.-G); W. G. Durbin, deputy forest supervisor; R. S. Maddox and George R. Orr, forest assistants.

Santa Barbara.—W. M. SLOSSON, forest supervisor, Santa Barbara (P-WF); H. G. Merrill, deputy forest supervisor; W. M. Moore, forest assistant.

Sequoia.—ALLAN B. PATTERSON, forest supervisor, Hot Springs, Tulare County (WU via Ducor-WF); W. C. Burton, deputy forest supervisor; S. W. Wynne, forest assistant.

Shasta.—R. F. HAMMATT, forest supervisor, Sisson (P-WF); M. R. Tillotson, deputy forest supervisor; Stewart B. Show and Edward I. Kotok, forest assistants.

Sierra.—P. G. REDINGTON, forest supervisor, Northfork (WU via Friant-WF, Friant); M. A. Benedict, deputy forest supervisor; Ernest G. Dudley and Cary Hill, forest assistants; J. C. Elliott, C. H. Ensign, reconnaissance.

Stanislaus.—R. W. AYRES, forest supervisor, Sonora (WU-WF); T. C. West, deputy forest supervisor; J. V. Wulff and Louis T. Larsen, forest assistants; Patrick Kennedy, reconnaissance.

Tahoe.—R. L. P. BIGELOW, forest supervisor, Nevada City (WU-WF); M. B. Pratt, deputy forest supervisor; K. Mills and Reese W. Taylor, forest assistants.

Trinity.—W. A. HUESTIS, forest supervisor, Weaverville (WU-WF); J. D. Coffman, deputy forest supervisor; Ernst V. Jotter and Howard DeForest, forest assistants.

NEVADA.

Eldorado.—See California.

Inyo.—See California.

Mono.—WM. M. MAULE, forest supervisor, Gardnerville (WU-WF).

Tahoe.—See California.

DISTRICT 6.

Washington, Oregon, and Alaska. Office, Beck Building, Portland, Oreg.

GEO. H. CECIL, district forester; W. E. HERRING, district engineer.

LAW.—Office of the Solicitor (Forest Service branch). W. F. STALEY, assistant to the solicitor, in charge; EARL C. ARNOLD, assistant to the solicitor.

ACCOUNTS.—A. H. COUSINS, district fiscal agent.

OPERATION.—C. H. FLORY, assistant district forester.

MAINTENANCE.—SHIRLEY BUCK.

SILVICULTURE.—F. E. AMES, assistant district forester; C. S. JUDD, assistant district forester; M. L. MERRITT, reconnaissance; W. H. GIBBONS, investigation of logging costs; W. T. ANDREWS, lumberman; EDWIN C. ERICKSON, scaler.

PLANTING.—J. F. KÜMMEL.

SILVICS.—T. T. MUNGER.

Studies, E. J. Hanzlik, Max Rothkugel, Portland.

GRAZING.—T. P. MACKENZIE, assistant district forester.

LANDS.—C. J. BUCK, assistant district forester; G. F. MEAD, examiner; Walter M. Stephen, mineral examiner.

PRODUCTS.—J. B. KNAPP, assistant district forester, in charge; H. B. Oakleaf, Portland; O. P. M. Goss, C. W. Zimmerman, H. P. Wyckoff, Dutton Knapp, Seattle, Wash.

NATIONAL FORESTS.

ALASKA.

Chugach.—W. G. WEIGLE, forest supervisor, Ketchikan (SC, U. S. A., WU-AP, Am); Thos. M. Hunt, deputy forest supervisor; Bruce Hoffman, forest assistant.

Tongass.—W. G. WEIGLE, forest supervisor, Ketchikan (SC, U. S. A., WU-AP, Am).

CALIFORNIA.

Crater.—See Oregon.

Siskiyou.—See Oregon.

OREGON.

Cascade.—C. R. SEITZ, forest supervisor, Eugene (WU, P-WF).

Crater.—M. L. ERICKSON, forest supervisor, Medford (WU, P-WF); S. S. Swenning, deputy forest supervisor; H. D. Foster and William E. White, forest assistants.

- Deschutes.**—J. ROY HARVEY, forest supervisor, Bend (WU, PT & T-Ad via Opal City, GN via Opal City); E. B. Starr, forest assistant.
- Fremont.**—GILBERT D. BROWN, forest supervisor, Lakeview (WU via Reno, Nev.-WF); Norman G. Jacobson, forest assistant; Nelson J. Billings, grazing assistant.
- Klamath.**—See California.
- Malheur.**—CY. J. BINGHAM, forest supervisor, John Day (WU via Baker City-Am, WF via Baker City); D. B. Reynolds, deputy forest supervisor; Robie M. Evans, forest assistant.
- Minam.**—H. W. HARRIS, forest supervisor, Wallowa (WU-Am); Ephraim Barnes, deputy forest supervisor.
- Ochoco.**—HOMER ROSS, forest supervisor, Prineville (PT & T-Am); Allen Hodgson, deputy forest supervisor.
- Oregon.**—T. H. SHERRARD, forest supervisor, Portland (WU, P-Am, WF, N); Ralph S. Shelley, deputy forest supervisor; W. B. Osborne, forest assistant.
- Paulina.**—W. W. CRYDER, forest supervisor, Crescent (WU, PT & T-Ad, GN via Opal City); Arthur Kerr, forest assistant.
- Santiam.**—N. F. MACDUFF, forest supervisor, Albany (WU-WF).
- Siskiyou.**—R. L. FROMME, forest supervisor, Grants Pass (WU, P-WF); H. Haefner, forest assistant.
- Siuslaw.**—A. E. COHOON, forest supervisor, Eugene (WU, P-WF); David E. Fitton, deputy forest supervisor.
- Umatilla.**—HUGH B. RANKIN, forest supervisor, Heppner (WU-AM); G. A. Bright, forest assistant.
- Umpqua.**—S. C. BARTRUM, forest supervisor, Roseburg (WU, P-WF); Arthur Kerr, forest assistant.
- Wallowa.**—H. W. HARRIS, forest supervisor, Wallowa (WU-Am).
- Wenaha.**—See Washington.
- Whitman.**—HENRY IRELAND, forest supervisor, Sumpter (WU via Baker City-Am, WF via Baker City); E. H. McDaniels, deputy forest supervisor; Harold P. Gilkey and B. Frank Heintzleman, forest assistants.

WASHINGTON.

- Chelan.**—G. W. MILHAM, forest supervisor, Chelan (PT & T-Am, GN via Wenatchee).
- Columbia.**—H. O. STABLER, forest supervisor, Portland, Oreg. (WU, P-Am, WF, N); W. W. G. Hastings, deputy forest supervisor; A. R. Wilcox, Lage Wernstedt, and C. P. Willis, forest assistants.
- Colville.**—C. C. REID, forest supervisor, Republic (WU, P-Am, GN); F. W. Cleator, deputy forest supervisor; Edward W. Headsten and Lawrence Pagter, forest assistants.
- Okanogan.**—H. M. HALE, forest supervisor, Okanogan; V. V. Harpham, deputy forest supervisor; Herman M. Johnson, forest assistant.
- Olympic.**—P. S. LOVEJOY, forest supervisor, Olympia (WU-Am, GN, N); A. A. Parker, deputy forest supervisor.
- Rainier.**—G. F. ALLEN, forest supervisor, Tacoma (WU, P-Am, N); P. T. Harris, deputy forest supervisor.

- Snoqualmie.**—B. P. KIRKLAND, forest supervisor, Seattle (WU, P-N, GN, WF); Lewis A. Treen, jr., deputy forest supervisor; Walter H. Leve and Alexander G. Jackson, forest assistants.
- Washington.**—C. H. PARK, forest supervisor, Bellingham (WU, P-Am, GN, N); F. H. Brundage, deputy forest supervisor.
- Wenaha.**—J. M. SCHMITZ, forest supervisor, Walla Walla (WU-Am, N); H. M. Coan, forest assistant.
- Wenatchee.**—A. H. SYLVESTER, forest supervisor, Leavenworth (WU-Am, GN); E. J. Fenby, forest assistant.
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SERVICE CHANGES.

APPOINTED.

SILVICULTURE.—Silvics: Wm. H. Kenety, forest assistant.

PRODUCTS.—Laboratory: Estelle Louise Jensen, xylotomist; Melvin E. Diemer, assistant chemist in forest products.

APPALACHIAN.—Forest assistants: Ralph C. Staebner, Robert J. Noyes, John H. Keyes, Wm. R. Barbour, Robert P. Holdsworth, E. Murray Bruner, Karl Schmitt, Harold G. Spahr, Harry S. Davis, Stanley L. Wolfe, Harold M. Sears. Examiners of surveys: David M. Gibson, James Denman.

DISTRICT 1.—Operation: Forest assistants, Carl M. Stevens, William W. Bennett, Robert C. St. Clair, John C. Ketrledge, and Justin K. Dwinelle; assistant forest rangers, Wesley A. D'Ewart, Absaroka; Arthur M. Keas, John W. Long, Philip Neff, William G. Newbury, Frederick W. Schumacher, and Carl H. Siria, Beaverhead; Nathan J. Hayes and Stephen St. J. Malven, Deerlodge; Lester L. Davison and Joe D. Morgan, Gallatin; Fred H. Betts, Helena; James B. Yule, Jefferson; Ray O. Bullerdick, Madison; Harry Lee Baker, Michigan; Daniel M. Conner and Lewis G. Nichols, Missoula; Fritjhof J. Lundstrom and William P. Hillman, Pend Oreille; Alexander M. Brebner, Charles F. McGillivray, Alfred D. Neely, and Elmer A. O'Callaghan, St. Joe; Henry W. de Nancrede, forest assistant, Kaniksu; Mayme L. Schmidt, clerk (stenographer and typewriter), Clearwater; William L. Lay, forest clerk, Custer; Lula T. Wools, forest clerk, Deerlodge; Evalyn Eddy, clerk (stenographer and typewriter), St. Joe. District office: Clerks (stenographers and typewriters), Lottie I. Brower, Irma L. Lambrecht, and Lelah Marquette. Silviculture: F. E. Thieme, surveyor.

DISTRICT 2.—District office: Robert E. Pratt, land examiner; Edith G. Kiene and Fanny A. Reed, clerks (stenographers and typewriters). Operation: Gustave H. Gleitsmann, clerk (stenographer and typewriter), Bonneville; Ida C. von Rohr, clerk (stenographer and typewriter), Harney; Teresa V. Fackerell, clerk (stenographer and typewriter), Durango; assistant forest rangers, William M. Leahy, Arapaho; Henry C. Langston, Battlement; Charles A. Davis, Bighorn; Neil Campbell and Chas. W. Kiel, Durango; Max Barginske and Jacob J. Ellenberger, Hayden; John L. Chase, Medicine Bow; Perry Craig and Geo. D. Criley, Rio Grande; John W. Wright, San Isabel; Joseph B. Hull, Sopris; Louis A. Hahn, White River.

DISTRICT 3.—Operation: Assistant forest rangers, Ernest R. Patterson, Apache; Chas. H. Kissam, Gila; Hugh R. Moore, Ozark; Clark A. Gingery, Prescott; Paul E. Millar, Tusayan; Florence V. Herald, clerk (stenographer and typewriter), Tusayan; Earl G. Fogelgren, forest clerk, Coconino; George L. Leboeuf, forest clerk, Crook; Flora P. Shinn, draftsman (copyist-topographic) district office. Silviculture: Assistant forest rangers, Albert J. Connell and William P. Lawson, Gila.

DISTRICT 4.—Operation: Assistant forest rangers, Archer Huff, Ashley; W. Douglas Hood, Boise; Merritt N. Pack, jr., Cache; Marion T. Johnson and Alfred C. Toland, Caribou; John J. Boyle and Lee Roy Tracht, Challis; Arthur Huff, Dixie; Forrest R. Castle and Paul Schulze, Humboldt; Wilford W. Boren and William H. Kershaw, La Sal; Charles A. Chitwood, C. N. De Witt, Ruby C. Fields, and Jesse W. Kimball, Idaho; Thomas M. Hein, Lemhi; Joseph L. Thorpe, Manti; George C. Larson, Nevada; James K. Burns, Monty E. Buster, and Claud C. Shannon, Payette; Hewitt B. Emigh, Carl J. Kriley, and Marion E. Mahoney, Salmon; Clayton F. Brower and Guy S. Heath, Sawtooth; J. Robert Logan and Foster Steele, Targhee; Thomas J. Haycock, Uinta; John B. Barr, Samuel A. Buchanan, and Clinton M. Mangun, Weiser; John W. Davis, Wyoming; forest clerks, Rama Heikes, Caribou, and Hensley G. Harris, Minidoka.

DISTRICT 5.—Operation: Assistant forest rangers, William V. Mendenhall, Angeles; David W. Haas, California; George Park, Cleveland; Marion J. Brown, Inyo; Andrew A. Allen and Anthony E. O'Donnell, Kern; Noah W. Coleman, William B. Salstrom, Thomas A. Lane, Le Roy A. La Point, Klamath; Albert W. Bramhall, Lassen; Marion W. Durham and Charles D. Meissner, Modoc; William S. McMillan, Mono; Jed. E. Moore, Monterey; William Hayes, Paul C. Thayer, John S. Thomas, and Harry S. Yates, Plumas; Nickels C. Matzen, William H. Riegel, and Frank L. St. Clair, Sequoia; Bernard L. Girard, Shasta; William H. Love, Sierra; Charles W. Bonta, Lawrence E. Overmyer, James W. Poore, and Walter H. Coupe, Tahoe; Francis D. Bucklew, Ivan A. Cuff, Howard H. Griffiths, John A. Molin, Alva Tracy, and Bruce P. Viles, Trinity.

DISTRICT 6.—Law: Earl C. Arnold, law clerk, district office. Operation: Win. E. Atterbury, superintendent of telephone construction, district office; assistant forest rangers, Willard W. Lawton, Deschutes; Scott McComb and Norman C. White, Fremont; John F. Irwin, Minam; Orville M. Gillenwater and James W. White, Ochoco; Grover C. Simmons and James E. Van Nuys, Oregon; Harold S. Nevins and William D. Winniford, Santiam; Richard I. Helm, William F. Raithel, and Herman N. Wallace, Siskiyou; Thomas F. Lathrop and Purl N. Stephenson, Wallowa; Joseph Ridley, Washington; Reinhold A. Bottcher, Wenaha; Charles F. Groom and William F. Rankin, Whitman; Ethel S. Cotter, clerk, Tongass. Lands: Herbert C. Hanson, junior engineer; Althea M. Wheeler, clerk (stenographer and typewriter), by transfer from Interior Department. Products: James R. D. Knapp, laboratory assistant in timber tests, Seattle laboratory.

RESTORED TO THE ROLLS.

DISTRICT 1.—Operation: Richard N. Bradley, forest ranger, Flathead; assistant forest rangers, Henry J. Lampe, Absaroka; Frank A. Clark and William E. Lockhart, Beartooth; William W. Fuller, Walter F. Gilliam, Percy Knowles, James D. Vance, and Winthrope H. Young, Bitterroot; George A. Bignell and Raymond J. Smith, Blackfeet; Ernest B. Clark and Justin K. Dwinelle, Cabinet; Magnus J. Durant, Clearwater; Grover A. Allen and Harvey Fearn, Cocur d'Alene; C. Lee Billings, Thomas A. Clapp, Harry G. Hungate, and Harold Townsend, Deerlodge; Philip A. Clack, Ellis B. Hoke, Frederick J. Holbrook, and Frank McClung, Flathead; Albert S. Hapner, Gallatin; Robert L. Hess, David C. Huson, John C. Ketrige, Clarence N. Lawrence, Robert C. St. Clair, Edward J. Weidner, and Henry C. Weidner, Kootenai; Harley M. Massie, Lewis and Clark; Charles E. Vealey, Lolo; Ben P. Martin and Raymond E. Maurer, Madison; Milo M. Hoyt and Edwin T. Irvine, Missoula; Thomas Crossley and Eugene Langdon, Nezperce; Walter Glen, Mark F. Kelley, W. Karl Loughborough, Claude C. Parker, and Harvey W. Phillips, Pend Oreille; Ray R. Fitting, Thomas S. Rackliff, and Adolph Weholt, Selway; Alexander T. MacNab, Sioux. District Office: Blanche M. Yates, clerk.

DISTRICT 2.—Operation: Charles A. Dunn, clerk, Sopris; forest assistants, Leigh J. Young, Medicine Bow; Crosby A. Hoar, White River; assistant forest rangers, David E. Basham, Bridger; W. Frank Bates and Walter G. Brown, Colorado; Guy E. Tefft, Durango; Eldon W. Hauser, Gunnison; Kenson J. Helmick, Holy Cross; Edward F. Heaton, Leadville; Frank E. Stapleton and Stanley R. Brock, Routt; Norman B. Price, San Juan; Truman O. Foley, Uncompahgre; Walter T. Schmehl, Washakie; Robert K. Potter, White River.

DISTRICT 3.—Operation: Assistant forest rangers, Arthur H. Noon, Coronado; James J. Woolsey, Crook; Joseph W. Jackson and Percy Reid, Gila; Daniel R. Carter, Jemez; John R. Coleman and Lewis J. Mundell, Lincoln; Jonathan L. Hughes, Sitgreaves. District Office: Marion Franklin, clerk (typewriter). Silviculture: Raymond E. Hopson, assistant forest ranger, Arkansas; Otto F. Swenson, forest assistant, Carson; John S. Boyce, forest assistant, Coconino Experiment Station.

DISTRICT 4.—Operation: Forest assistants, Gilmour B. MacDonald, Boise; Irwin W. Cook, Targhee; assistant forest rangers, Clarence E. Favre, Payette; James J. McKelvey, Sawtooth; William M. Mace, Targhee.

DISTRICT 5.—Operation: Willis M. Slosson, forest supervisor, Santa Barbara; John C. Wells, forest ranger, district office; Newton Garner, deputy forest ranger, Angeles; Henry W. Muzzall, deputy forest ranger, Santa Barbara; assistant forest rangers, John Grand, Angeles; James A. Brown and Isaac W. Decker, Cleveland; John M. Hughes, Eldorado; William J. Haskins, Inyo; Jesse L. High and Michael H. McCarthy, Klamath; Edmund M. Hufford, William J. Spalding, and Jonathan M. Stark, Lassen; John A. Kresge and Charles O. Leonard, Modoc; William B. Duncan, William H. Parkinson, and Leonard P. Wygle, Plumas; William A. Smith, Santa Barbara; Ross A. McCloud, Shasta; Hugh R. Downey, Robert C. McKenzie, and Earl R. Stevenson, Sierra; John N. Lindsey and George A. Gerber, Stanislaus;

G. W. Campbell, W. D. Campbell, Maurice S. Macy, Fred J. Dooley, George M. Noyes, George E. Poore, and Charles W. Sutcliffe, Tahoe; Oscar O. Hays and William H. Woodhams, jr., Trinity.

DISTRICT 6.—Operation: John M. Schurr, forest ranger, Chugach; assistant forest rangers, Amos O. Masiker, Chelan; Eilert T. Skaar and E. George Williams, Columbia; Edward S. Kerby, Stephen A. Moore, and James J. Simerville, Crater; Clinton W. Combs, Fremont; John H. Blinn and Frederic V. Bradford, Malheur; Clayton Diver, Ernest Jameson, and Wm. C. Sweat, Okanogan; Parker S. Bonney and George W. Hutton, Olympic; Horace Berry, Carl C. Hill, George R. Ledford, Frank B. Rogers, John B. Senecal, and Hiram R. Wilcox, Oregon; Earl Austin and Kirk P. Cecil, Paulina; Edward B. Gibson, Oliver C. Klingensmith, Joseph L. Mackechnie, Edgar J. Murnen, Robert J. O'Farrell, Wm. Sethe, and Ed. Tittle, Rainier; A. E. Clark, Santiam; Wiley E. Escher, Earl G. Forbes, Lonzo D. Hurt, Walter H. Leve, Jos. G. G. Morgan, Wendell R. Whitney, and Newell L. Wright, Snoqualmie; Lovell E. Tipton, Umatilla; E. E. Harpham, Homer J. Ireland, and U. F. McLaughlin, Umpqua; Charles C. Hon and Oscar Pratt, Wallawa; James Lowden, Washington; Thomas H. Parker and R. E. Kan Smith, Whitman.

REINSTATED.

DISTRICT 1.—Operation: James S. Garrison, assistant forest ranger, Clearwater.

DISTRICT 3.—Operation: Walter R. Atkeson, assistant forest ranger, Datil.

DISTRICT 4.—Operation: assistant forest rangers, Dan Nielson, Caribou, and Nicholas S. Phelan, Weiser; David A. West, clerk, district office.

DISTRICT 5.—Operation: A. E. Ford Reel, clerk (stenographer and typewriter), district office; Clarence A. Morris, assistant forest ranger, California; Charles Kollman assistant forest ranger, Lassen.

DISTRICT 6.—Operation: Edward H. Mahn, assistant forest ranger, Deschutes.

CHANGE IN DESIGNATION.

DISTRICT 4.—Operation: Vernon Metcalf, clerk, district office to forest ranger, Kaibab; Walter G. Mann, assistant forest ranger to forest clerk, Payette.

DISTRICT 5.—Operation: George Miller, from forest ranger to forest examiner, district office; Raymond Tyler, from forest supervisor, Monterey, to assistant forest ranger, Sierra.

TRANSFERRED.

SILVICULTURE.—Silvics: Barrington Moore, forest assistant, from District 3.

APPALACHIAN.—Lincoln Crowell, forest examiner, from District 4; Junius St. J. Benedict, forest assistant, from District 1.

DISTRICT 1.—Operation: M. N. Stickney, from deputy forest supervisor, Bitterroot, to forest supervisor, Kaniksu; Dwight L. Beatty, forest ranger, from Bitterroot to Absaroka; Harry Lee Baker, assistant forest ranger, from Michigan to Kootenai. Silviculture: Edgar F. White, forest assistant, from Madison to district office; John E. Keach, forest assistant, from St. Joe to Helena; A. O. Benson, forest assistant, from Kaniksu to district office; J. St. J. Benedict, forest assistant, from Minnesota to Appalachian.

DISTRICT 2.—District office: Agnes D. McNair, land law clerk, from District 6 to District 2. Operation: David C. Montgomery, jr., forest ranger, from Pike to White River; assistant forest rangers—Charles L. Gori, from District 2 to District 3; James P. Reddick, from Harney to Medicine Bow.

DISTRICT 3.—Accounts: John P. Farnan, clerk (stenographer and typewriter), Coconino to district office; John W. Dykes, clerk, District 3 to District 7. Operation: assistant forest rangers, Walter J. Perry, Alamo to Carson; Charles V. Shearer, Carson to Pecos; Jesse I. Bushnell, Coconino Experiment Station to Coconino; Claude E. Malbone, Coconino to Jemez; John V. Hobbie, Coconino to Lincoln; O. Fred Arthur, forest ranger, Prescott to Manzano; Shepard Hiscox, forest ranger, Prescott to Tusayan; Geyer E. Johnston, forest clerk, Carson to Tusayan; Charles V. Carr, forest clerk, Tusayan to Carson; Thomas E. McCullough, forest assistant, Alamo to Coconino; M. Uva Pirkey, forest clerk, district office to Pecos; James F. Mullen, deputy forest supervisor, Zuni to district office. Silviculture: Ralph L. Bateman, assistant forest ranger, Sitgreaves to Apache; Dave Winbray, assistant forest ranger, Sitgreaves to Apache; Raymond E. Hopson, assistant forest ranger, Arkansas to Carson; Thomas B. Longwell, forest ranger, Sitgreaves to Carson; Robert R. Moak, Chiricahua to Gila; Jay L. B. Taylor, forest ranger, Arkansas to Jemez; Raymond E. Marsh, forest assistant, Arkansas to Carson; N. Curtis Case, forest assistant, Arkansas to Gila; George C. Morbeck, forest assistant, Ozark to Jemez; Barrington Moore, forest assistant, District 3 to District 7; John A. Adams, assistant forest ranger, Sitgreaves to Apache; Edwin C. Hamilton, draftsman (topographic), Ozark to Arkansas. Grazing: Winfield S. Day, Datil to Coconino; Arthur D. Read, forest examiner, district office to Coconino to Tusayan; James H. Sizer, assistant forest ranger, Apache to Coconino to Tusayan.

DISTRICT 4.—Operation: Forest supervisors, Royal F. Mathias, Nevada to Salmon; James M. Ryan, Salmon to Ruby; deputy forest supervisors, George C. Thompson, Humboldt to Nevada; Duncan M. Lang, Idaho to Fishlake; Asa L. Brower, Lemhi, to forest assistant, Uinta; Lincoln Crowell, Sevier to Washington office; forest assistants, William N. Sparhawk, district office to Payette; Sidney S. Stewart, district office to Targhee; Edwin C. Shepard, Cache to Manti; Herman Work, Humboldt to Salmon; Reese W. Taylor, Sevier to district 5; forest rangers, Julius G. Maelzer, Lemhi to Idaho cooperation; Ulrich C. Pogge, Palisade to Idaho cooperation; assistant forest rangers, James H. Hull, Boise to Targhee; John A. Wood, Challis to Idaho cooperation; Andrew A. Casner, Kaibab to Boise; Ora Cockrell, Salmon to Idaho cooperation; Guy C. Hendrickson, forest clerk, Kaibab to Nevada; Gretchen A. Roler, clerk (typewriter), Nevada to Pocatello; Veronica Tegethoff, clerk, Boise to Santa Rosa.

DISTRICT 5.—Operation: Reese W. Taylor, forest assistant, transferred to district 5 from district 4; Cary Hill, forest assistant, transferred from district 2 to district 5, Sierra; J. Leroy Mathias, hydraulic engineer, district 2 to district 5, as assistant to district engineer. Products: Percy R. Hicks, engineer in wood preservation, district 1 to district 5.

DISTRICT 6.—Operation: Frank B. Rogers, Kirk P. Cecil, Aquilla E. Clark, assistant forest rangers, district 1 to district 6; Alexander G. Jackson, forest assistant, district office to Snoqualmie; Nettie B. Rhodes, clerk (stenographer and typewriter), district 2 to district 6.

PROMOTED IN RANK.

DISTRICT 1.—Operation: Rutledge Parker, deputy forest supervisor, to forest supervisor, Missoula; M. N. Stickney, deputy forest supervisor, to forest supervisor, Kaniksu.

DISTRICT 2.—District office: Ira T. Starbuck, assistant forest ranger, to forest ranger. Operation: Merle F. Frey, assistant forest ranger to forest ranger, Leadville; Stanley R. Brock, assistant forest ranger, to forest ranger, Routt.

DISTRICT 3.—Operation: Robert Munro, assistant forest ranger, to forest ranger, Gila; Cyril Byrne, assistant forest ranger, to forest ranger, Sitgreaves.

DISTRICT 4.—Operation: Samuel B. Locke, forest assistant, to deputy forest supervisor, Sawtooth; assistant forest rangers to forest rangers, John C. Brown (transferred also from Humboldt to district office); Francis Wallis, Payette; Frank S. Moore, Payette; George W. Goshen, laborer (skilled), to clerk (typewriter).

DISTRICT 5.—Operation: Newton Garner, deputy forest ranger to assistant forest ranger, Angeles; Edward L. Varney, assistant forest ranger to forest ranger, Plumas.

LEAVE WITHOUT PAY.

DISTRICT 1.—Operation: Vernon Heikes, forest clerk, Blackfeet; Evalyn Eddy, clerk (stenographer and typewriter), St. Joe; assistant forest rangers, Magnus J. Durant, Clearwater; Charles A. Newman, Custer; Kirk P. Cecil, Deerlodge; Allen O. Calbick, Flathead; James W. McAbee, Kaniksu; Richard E. Moses, Nezperce; William A. Schell, Pend Oreille; Harry Holverson, Sioux; John D. Brooks, St. Joe. District office: Harold L. Redlingshafer, clerk; Blanche M. Yates, clerk; Grace M. Lee, clerk (stenographer and typewriter). Silviculture: Howard A. Green, forest assistant.

DISTRICT 2.—District office: Harry M. Booth, expert miner; Nellie E. Dillon, forest clerk. Operation: Gustave H. Gleitsmann, clerk (stenographer and typewriter), Bonneville; forest assistants, Earl S. Pierce, Bighorn; Stephen V. Klem, Harney; forest rangers, Charles C. White, Arapaho; Thomas Acord, Colorado; Charles A. Sommers, Routt; assistant forest rangers, Alison L. Kroeger, Durango; Marvin H. Sartor, Medicine Bow.

DISTRICT 3.—Operation: Charles C. Hall, forest supervisor, Carson; Hugh L. Stevenson, forest clerk, Crook; James C. Bertholson, jr., assistant forest ranger, Jemez; John L. Bryan, jr., assistant forest ranger, Lincoln; Henry L. Benham, forest ranger, Tusayan; Claude Thompson, forest ranger, Coconino. Silviculture: Henry L. Johnson, forest assistant, Sitgreaves. Grazing: John Kerr, assistant district forester, district office.

DISTRICT 4.—Operation: Alvin W. Garrison, forest ranger, Humboldt; assistant forest rangers, Henry K. Lewis, Boise; Robert W. Strong, La Sal; Ruth W. Helff, clerk; district office; Effie Jensen, forest clerk, Pocatello.

DISTRICT 5.—Operation: Jesse W. Hough, forest assistant, Angeles; Alley C. Keller, deputy forest ranger, Angeles; Homer O. Eaton, assistant forest ranger, Cleveland; Minnie B. Lamson, clerk (stenographer and typewriter), Cleveland; Edward William Fessel, assistant forest ranger, Eldorado; William F. E. Kelley, assistant forest

ranger, Eldorado; Walter L. Parsons, assistant forest ranger, Eldorado; J. S. Siverton, forest ranger, Tahoe.

DISTRICT 6.—Operation: Bessie M. MacMillan, clerk, Snoqualmie.

FURLOUGHED.

DISTRICT 1.—Operation: Emily Perrine, clerk (stenographer and typewriter), Jefferson; assistant forest rangers, William W. Fuller and Walter F. Gilliam, Bitterroot; Fred F. Clark and Charles A. Sage, Blackfeet; Grover A. Allen and Samuel F. Millsap, Coeur d'Alene; Thomas A. Clapp, Deerlodge; Rhesis Fransham, Gallatin, Charles S. Dennis, Robert L. Hess, Clarence N. Lawrence, Charles E. Marshall; Perry R. Rogers, Edward J. Weidner, and Henry C. Weidner, Kootenai; Henry Huck and Eugene Langdon, Nezperce.

DISTRICT 2.—Operation: Albert Hill, assistant forest ranger, Bridger.

DISTRICT 5.—Operation: George Bettendorff, assistant forest ranger, Modoc; William F. Blackburn, assistant forest ranger, Santa Barbara; William A. Smith, assistant forest ranger, Santa Barbara.

DISTRICT 6.—Operation: George R. Ledford, assistant forest ranger, Oregon.

RESIGNED.

PRODUCTS.—Laboratory: Harold R. Winter, assistant engineer in Forest Products; Wood Utilization: Homer S. Sackett, chief of Wood Utilization.

APPALACHIAN.—Clyde Leavitt, forest inspector.

DISTRICT 1.—Operation: Goodwin Helseth, forest clerk, Helena; Arthur F. Oppel, forest assistant, Sioux; assistant forest rangers, Robert A. D'Ewart, Absaroka; Charley E. Jordan, Beartooth; James A. La Marche, Beaverhead; Thomas E. Robinson, Coeur d'Alene; Alfred L. Rossman, Jefferson; Harry C. Hockett, Lolo; Sterling H. Findley, Madison; Charles E. Jarvis and John W. Rice, Missoula; Ernest A. MacKay, Pend Oreille.

DISTRICT 2.—Operation: Walter A. Donaldson, forest ranger, Harney; assistant forest rangers, Arthur F. Ramey, Battlement; Lester J. Stoner, Gunnison; Percy R. Westover, Hayden; Benjamin F. Carter, Leadville; John R. Padgett, Sundance.

DISTRICT 3.—Accounts: Louise M. Noyes, clerk (typewriter), district office. Operation: William H. Criswell, assistant forest ranger, Datil; Herbert A. Fielder, assistant forest ranger, Gila; Bert G. Phillips, forest ranger, Carson; Sebird Henderson, assistant forest ranger, Sitgreaves; Roger A. Morse, forest clerk, Tusayan; Ross M. Atkins, Walter M. Barnes, William J. Bruton, Charles L. Gori, and Benjamin F. Hooten, assistant forest rangers, Datil.

DISTRICT 4.—Operation: Forest rangers, Coit E. Herrick and David H. Kerby, Payette; Peter T. Wrensted, Pocatello; assistant forest rangers, William L. Baker and William H. George, Payette; Melvin R. McCoy, Sawtooth; Odo R. Thomas, Uinta.

DISTRICT 5.—District office: Walter A. Greer, clerk (stenographer and typewriter); Herman E. McKenzie, engineer in timber tests; Fred Weber, forest clerk; John Grand, assistant forest ranger, Angeles; Isaac W. Decker, assistant forest ranger, Cleveland; Charles W. Fulton, assistant forest ranger, Mono; John E. Smith, assistant forest

ranger, Mono; Zachary T. Davidson, assistant forest ranger, Santa Barbara; William C. Burton, deputy forest supervisor, Sequoia; Harlow M. Baldwin, assistant forest ranger, Sierra; Roy C. Hennessy, clerk (typewriter), Stanislaus; James Davis, assistant forest ranger, Modoc; Adlai J. Zumwalt, clerk (stenographer and typewriter), Plumas.

DISTRICT 6.—District forester: R. E. Benedict, forest supervisor, district office. Operation: Assistant forest rangers, Dee Wright, Cascade; Carl B. Neal, Crater; Earl Abbott, Fremont; Walter O. B. Davidson, Oregon; Carl M. Ewing and Thomas H. Griggs, Paulina; Archie O. Knowles, Santiam; James T. Brand, Umpqua; Hans T. Hansen, Rush T. Huston, and Carl W. Ray, Wenatchee; W. W. Hawley, jr., Whitman; E. A. Braniff, forest supervisor, Crater; Sherman A. Brown, deputy forest supervisor, Minam. Lands: Virginia M. Bain, clerk (by transfer to the Interior Department).

APPOINTMENT TERMINATED.

PRODUCTS.—Laboratory: Howard S. Bristol, expert; Simon Kirsch, expert.

DISTRICT 1.—Operation: William L. Nottingham, assistant forest ranger, Bitterroot.

DISTRICT 2.—District office: John E. Elliott, lumberman. Operation: Forest rangers, Jay C. Clark, Bonneville; Edwin Bluck, Durango; assistant forest rangers, Thomas E. Price, Durango; George C. Widman, Rio Grande.

DISTRICT 3.—Silviculture: Clarence Goddard, assistant forest ranger, Arkansas.

DISTRICT 5.—District office: Louis Margolin, forest examiner; Frances Wainwright, clerk (stenographer and typewriter). Operation: Fred E. Field, clerk (stenographer and typewriter), Cleveland; assistant forest rangers, Alvin T. Bodle and A. C. Burdick, Inyo; Jesse L. High, Klamath; Roy Gooch, Modoc; Lemuel M. Wright, Mono; Hedley L. Mero, Stanislaus; Walter S. Barton and Maurice S. Macy, Tahoe; John W. Larson and John R. Sorenson, Trinity.

DISTRICT 6.—Operation: Elaine Hunt, clerk, Chugach; Thomas E. Chidsey, forest ranger, Crater; Corydon P. Cronk, assistant forest ranger, Siuslaw.

DISMISSED.

DISTRICT 1.—Operation: R. C. W. Friday, assistant forest ranger, Clearwater. Lands: Henry C. Allen, clerk.

DISTRICT 2.—Operation: Leonard Hawkins, assistant forest ranger, San Isabel.

With deep regret announcement is made of the following deaths: Former Supervisor W. E. Jackson, Bighorn National Forest, on March 4; John H. Mullison, forest ranger, Medicine Bow National Forest, on April 6; Thomas F. Wells, assistant forest ranger, at Belize, British Honduras, Central America, on May 26; Charles F. Cooley, forest ranger, Wasatch National Forest, on June 28; and Cyrus T. McCall, assistant forest ranger, Idaho National Forest, on April 4.

SERVICE NOTES FOR JULY.

These notes contain instructions and necessary information to forest officers, and will therefore be carefully read and kept on file for reference.

OFFICE OF THE FORESTER.

JULY 1, 1912.

Attendance at Meetings or Conventions—

GENERAL ORDER No. 155.

Attention is invited to the following provision in the act approved June 26, 1912, making appropriations to provide for the expenses of the government of the District of Columbia for the fiscal year ending June 30, 1913, and for other purposes:

SEC. 8. No money appropriated by this or any other act shall be expended for membership fees or dues of any officer or employee of the United States or of the District of Columbia in any society or association or for expenses of attendance of any person at any meeting or convention of members of any society or association, unless such fees, dues, or expenses are authorized to be paid by specific appropriations for such purposes or are provided for in express terms in some general appropriation.

Hereafter, in conformity with the foregoing provision, no officer or employee of the Department of Agriculture attending any convention or meeting of an association of any kind will be reimbursed for any expenses incurred in connection therewith. In case officers or employees desire to attend at their own expense society or association conventions or meetings which have for their object the advancement of sciences bearing directly upon the work of the Department of Agriculture or objects otherwise related to the work of the department, permission must be secured in advance from the Secretary, upon the recommendation of the chief of the bureau involved. When such permission is granted by the Secretary the time consumed by officers or employees in proceeding to such conventions or meetings, in attendance thereon, and in returning to their official duties, will be charged to annual leave, with or without pay, as the Secretary may direct.

All previous orders in conflict with the above are hereby revoked.

JAMES WILSON, *Secretary*.

Delayed Publications: General Administration Section of National Forest Manual, and Circular of Instructions for Building and Maintenance of Telephone Lines—

The General Administration and Protection section of the National Forest Manual and the circular entitled "Instructions for the Building and Maintenance of Telephone Lines" are in the hands of the printer. The manuscripts were ready for publication in June, but owing to the lack of funds work upon them had to be delayed until after July 1. It is now expected that these publications will be ready for distribution before the end of July.

LAW.

OFFICE OF THE SOLICITOR.

Law Cases in District 1—

At the May term of the United States district court for the district of Idaho indictments were returned against Fred Danke and George, alias Fuzzy, Reed, for having unlawfully conducted a saloon business upon an unperfected mining claim within the St. Joe National Forest. Danke entered a plea of guilty and was sentenced to pay a fine of \$150 and serve 60 days in jail. Reed was found guilty and sentenced to 60 days in jail.

At the May term of the United States district court for the district of Montana, in the case of the United States *v.* G. D. Gorus, timber trespass on the Bitterroot National Forest, the court directed a verdict for plaintiff to the amount of the value of the timber after it was cut at the place where cut. The court based its instructions on the case of U. S. *v.* St. Anthony R. R. Co. (192 U. S., 524; 48 L. Ed., 548).

Law Cases in District 2—

Suit was filed in the United States district court for Colorado for an injunction to restrain the Central Colorado Power Co. from occupying certain land in the Holy Cross National Forest with tunnels and pipe lines without first obtaining a permit from the Secretary of Agriculture.

T. H. Vance paid to the district attorney, on account of the United States, the sum of \$150 in settlement of a timber trespass on the basis of willfulness, the punitive damages being waived.

Ben Rishor, charged with obtaining from the United States mails a letter addressed to another, containing a check of the district fiscal agent, then cashing it and appropriating the proceeds to his own use, was tried in the United States district court on May 23, at Deadwood, S. Dak., and acquitted.

The case of the United States *v.* the Newcastle Land & Live Stock Co. for damages resulting from grazing sheep without a permit on the Sundance National Forest, was tried at Cheyenne, Wyo., May 16, and resulted in a verdict for plaintiff for \$351.29 and costs.

On May 23 William Oliver, George Ackerman, W. O. Wilbour, Louis Poolovich, and J. P. Lipsey, on their plea of leaving a fire unattended on the Black Hills National Forest were fined \$10 each and costs.

Law Cases in District 3—

Barney Oberto was fined \$200 and his herders, F. Figueroa, D. Garcia, and P. Lente, \$1 each for grazing trespass on the Tonto National Forest; Miguel Cruz was sentenced to 20 days in jail for cutting firewood without permit on the Coronado; C. H. Brown was fined \$200 and his herder, Bonifacio Duran, \$25 for grazing trespass on the Tonto; John Revello was fined \$50 for maintaining a saloon on an unperfected claim on the Prescott; judgment for \$472.35 was rendered against Margarito Romero for timber trespass on the Pecos; for grazing trespass on the Alamo, J. J. Mills confessed judgment for \$91.64, Eugene Joy for \$101.60, and W. F. Montgomery for \$169.55.

William Brashears, charged with presenting a false claim of \$2.70 against the Government, Ozark National Forest, was tried and found not guilty.

Law Cases in District 4—

In the case of the United States *v.* the Pacific Land & Water Co., timber trespass on the Minidoka National Forest, defendant company settled by the payment of \$794.44, the value of the timber; the case of Orson Hyde, grazing trespass on the Ashley Forest, was settled by defendant's paying \$44.27 damages and \$11.50 costs.

A bill in equity was filed in the United States District Court for Utah for an injunction to restrain the Telluride Power Co. from further occupancy of the Wasatch Forest without a permit.

Law Case in District 5—

Suit was filed in the Superior Court of Tuolumne County, Cal., against R. W. Ayres, supervisor of the Stanislaus National Forest, to enjoin the collection of grazing fees on lands claimed by plaintiff under the swamp and overflow act.

Law Cases in District 6—

In the United States District Court for Oregon Harvey Purdy and Thomas Jacob plead guilty on March 21 to an indictment for willful trespass on the Wallowa National Forest, and were fined \$100 and costs of \$90.85.

In the same court the case against Theophile Blanc for willful grazing trespass on the Wallowa National Forest was settled April 29 by payment to the United States of \$13.75 actual and \$50 punitive damages.

On April 25 W. L. LaMotte plead guilty to the charge of constructing a flume on the Okanogan National Forest without permit, and was fined \$10 and costs \$362.21.

In the case of the United States *v.* the Northern Pacific Railway Co., for fire trespass on the Snoqualmie National Forest, a motion for a retrial was denied and on May 17 the company paid the judgment of \$4,000 and costs of \$426.89, which was the amount of the verdict at the second trial December 2, 1911.

ACCOUNTS.**Subsistence for One Day after Arrival—**

Paragraph 9 (k) of the Fiscal Regulations of the department provided that, "An employee assigned to permanent duty at a new station will be allowed lodging and meals while securing a suitable permanent residence for one full day after reaching his destination." In a decision dated June 20, 1912, the Comptroller of the Treasury holds that this allowance is not authorized by law. Forest Service employees affected will prepare their reimbursement accounts accordingly.

OPERATION.**Fire Cooperation by Postal Employees—**

The following order was issued by the Post Office Department on June 8:

To the POSTMASTER.

SIR: Your attention is directed to the following order issued by the Postmaster General under date of May 31, 1912:

ORDER No. 6315.

The following instructions are promulgated for the guidance of the postal employees concerned:

In accordance with the request of the Secretary of Agriculture, this department has arranged a plan of cooperation with State and National Forest officers whereby rural and star route carriers shall report forest fires discovered by them along their routes to persons designated by the State and National authorities to receive such intelligence.

Cooperation with State officers will be given in the following States: Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Maryland, West Virginia, Tennessee, Kentucky, Michigan, Wisconsin, Minnesota, Idaho, Washington, Oregon, and California.

The national forest officers will be cooperated with in the following States: Florida, Arkansas, South Dakota, Wyoming, Colorado, New Mexico, Arizona, Utah, Montana, Idaho, Washington, Oregon, and California.

The State and national authorities will inform postmasters as to whom the discovery of fires should be reported, and each rural carrier should be directed to cooperate to the fullest extent with such authorities in the manner agreed upon, namely, that the carrier shall report a fire to the nearest State fire warden or national forest officer on his route, or, if no such warden or officer lives on the route, to arrange through some responsible citizen to have him notified, by telephone, if possible. Star-route contractors and carriers are included in the plan of cooperation and should be requested to report the discovery of fires in the same manner as will be done by the rural carriers.

Postmasters in or near national forests are also directed to report fires to the nearest forest officer.

Respectfully,

P. V. DE GRAW,
Fourth Assistant Postmaster General.

The purpose of this order is to supplement the fire patrol maintained by the Forest Service, States, and private protective organizations by such additional patrol as the rural and star-route carriers of the Post Office Department are able to perform in connection with their regular duties. Much efficient assistance has been rendered by the employees of the Post Office Department in the past in reporting forest fires. This order of the department will make such cooperation more general and definite, and should be of material assistance in the problem of fire control. The duties assumed by postal employees must necessarily be subordinate to their regular work in handling United States mails. While postmasters are directed to report fires to the nearest forest officers, the contractual relations between the post office and rural and star-route carriers are such as to prohibit similar instructions to employees of these classes. Their cooperation, however, which is requested in the order, should in the sum total prove of valuable assistance.

These limitations upon the cooperation of postal employees should be fully considered in any requests made upon them for assistance.

Signs, Symbols, and Colors—

The Forest Atlas legend page was prepared to accompany the Atlas Folios. These folios have been issued for all Forests, but as there is still a constant demand for copies of the legend it has been issued in book form as a supplement to the Instructions for Making Forest Surveys and Maps. Some new legends and symbols have been added to provide for the greater scope of forest work, particularly in the Eastern States.

In accordance with the Executive order, August 10, 1906, this publication was submitted to the United States Geographic Board and was approved after a few

slight changes in some of the signs formerly employed. The changes will not cause any confusion. It is expected that these signs, symbols, and colors, which conform with those now in general use in North America, will, with some additions, be adopted by an international congress of geographers for the use of all map-making nations. In anticipation of this a study was made in the office of geography, in 1908, of all of the signs and symbols used throughout the world, and the Atlas legend was prepared in such a manner as to avoid, wherever possible, a conflict with the usage of other countries. This new publication is now slightly amended so as not to conflict in any respect with the recommendations which will be made by the United States Geographic Board to the international congress. Sample copies have been sent to district foresters and supervisors. Additional copies may be obtained from the property clerk. They are expendable property.

Form 331 Revised —

Property Record Form 331 is revised, and distribution has been made. By use of the revised form the Forest, individual, and stock accounts are all carried on one set of cards, the property accounting procedure, thereby, being materially simplified.

New Lookout Station Protractors—

A new sheet has been issued with three Fire Lookout Station Protractors, printed concentrically in two colors, their diameters being 8, 16, and 24 inches. They are printed both upon map paper and transparent paper, and therefore meet the needs or preferences of any forest officer. A protractor of either size may be cut out of the sheet, or a piece of the Forest map may be pasted in the center of the protractor. Engineers and draftsmen will also find them useful, and, if necessary, they may be mounted to stiffen them. Twenty copies have been sent to each district forester, and they may be obtained by any forest officer on requisition to the property clerk. They are expendable property.

SILVICULTURE.

Amendments to Manual: Timber Settlements and Special Uses—

Attention is called to the amendments to the Manual relating to Timber Settlements and Special Uses, summarized as follows: Nos. 125, 126, 127, and 128, which provide that reports on Forms 578a and 578b in connection with applications for special uses need not be made, in the discretion of the approving officer, prior to the issuance of the permit, but may be prepared subsequently, in advance of cutting or destruction.

SERVICE PUBLICATIONS ISSUED.

Bulletin 96. Second-Growth Hardwoods in Connecticut.

Bulletin 106. Wood-Using Industries and National Forests of Arkansas.

Bulletin 107. The Preservation of Mine Timbers.

Circular 197. Utah Juniper in Central Arizona.

Circular 199. Quantity and Quality of Creosote Found in Two Treated Piles After Long Service.

Circular 202. Quebracho Wood and Its Substitutes.

Circular 204. Strength Tests of Cross-Arms.

Unnumbered. Experiments with Jack Pine and Hemlock for Mechanical Pulp.

Unnumbered. Instructions for Making Forest Surveys and Maps (Revised).

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(JULY, 1912.)

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